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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/812,896	03/31/2004	Kazuhiko Ikeda	H0402T	5005
7590 04/27/2005 TAKEUCHI & TAKEUCHI 1700 DIAGONAL ROAD SUITE 310 ALEXANDRIA, VA 22314			EXAMINER LE, THANH TAM T	
			ART UNIT 2839	PAPER NUMBER

DATE MAILED: 04/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

10/812,896

Applicant(s)

IKEDA, KAZUHIKO

Examiner

Thanh-Tam T. Le

Art Unit

2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3/31/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION.

Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, in claim 4, lines 4-7, "the engagement and fixed portion ... overlapped with each other in a longitudinal direction of the coaxial connector" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.
2. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claim 4 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Claim 4, lines 4-7, "the engagement and fixed portion ... overlapped with each other in a longitudinal direction of the coaxial connector" are not described in the specification.

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claims 2-3, 6 and 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 2, line 2, claim 3, line 3 and claim 6, line 2, "said terminal", what terminal that the Applicant refers to? The terminal of the coaxial connector or the terminal of the mating connector?

Claim 8, line 8, "an outer conductor provided said insulating" is confusing.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1-7 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Purdy (6,106,333).

Regarding claim 1 and 5, Purdy, figures 1-2 and 4, discloses a coaxial connector comprising:

- a terminal (34) having a first end side (48) connected to a mating connector and a second end side (36) connected to a central conductor of a coaxial cable (column 4, lines 30-33 and 46-55);
- an insulating member (50 and 52) provided outside the terminal and holding the terminal; and
- an outer conductor (22) provided outside the insulating member, wherein the terminal is held between a terminal of the mating connector such that a connection angle between the terminals of the coaxial connector and the mating connector is made an obtuse angle (column 4, lines 7-8 and figure 4).

Regarding claims 2 and 6, figure 4, the terminal of the coaxial cable having a slanted portion (94) on the first end side.

Regarding claim 3, figure 4, an aperture (96) is provided in front of the first end side.

Regarding claim 4, insofar as that can be understood, figure 1, the outer conductor having an engagement portion (46) for engaging a connection condition with the mating connector and a fixed portion for fixing the coaxial cable, the engagement and fixed portions being disposed at positions overlapped with each other in a longitudinal direction of the coaxial connector.

Regarding claims 7 and 9, figures 1-2 and 4, disclose a coaxial connector assembly composed of first and second coaxial connectors plugged with each other (column 3, lines 55-59), the first coaxial connector comprising:

- a first terminal (34) having a first end side (36) connected to the second coaxial connector and a second end side (48) connected to a central conductor of a coaxial cable;
- an insulating member (50 and 52) provided outside the first terminal and holding the first terminal; and
- an outer conductor (22) provided outside the insulating member, the second coaxial connector comprising a second terminal projecting into a plugging area in which the first connector is plugged with the first coaxial connector (column 4, lines 28-33); wherein the first terminal is held between the first terminal such that a connection angle between the first and second terminals is made an obtuse angle (column 4, lines 6-8 and figure 4).

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Purdy (6,106,333).

Purdy, figures 1 and 2, discloses a coaxial connector comprising:

- a terminal (34) having a wiring portion (36) connected to a central conductor of a coaxial cable and a connection portion (48) connected to a mating connector;
- an insulating member (52) provided outside the terminal and having a terminal holding portion (56) for holding the terminal; and
- an outer conductor (22) provided the outside the insulating member.

Purdy discloses the instant claimed invention as described above except for the wiring portion and the terminal holding portion have shapes of a dovetail groove.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide Purdy to have the wiring portion and the terminal holding portion have shapes of a dovetail groove, since such a modification would have involved a mere change in the size of a component. A change in size is generally recognized as being within the level of ordinary skill in the art. In re Rose, 105 USPQ 237 (CCPA 1955) for better holding.

Conclusion

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh-Tam T. Le whose telephone number is 571-272-2094. The examiner can normally be reached on 7:30-5:00.

12. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on 571-272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

13. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TL.
04/25/05.



T. Le